

Title (en)  
METHOD, DEVICE AND SYSTEM FOR CELL HANDOVER IN TELECOMMUNICATION SYSTEM SUPPORTING CARRIER AGGREGATION

Title (de)  
VERFAHREN, VORRICHTUNG UND SYSTEM ZUR ZELLENWEITERLEITUNG IN EINEM TELEKOMMUNIKATIONSSYSTEM ZUR  
UNTERSTÜTZUNG DER TRÄGERAGGREGATION

Title (fr)  
PROCÉDÉ, DISPOSITIF ET SYSTÈME DE TRANSFERT DE CELLULE DANS UN SYSTÈME DE TÉLÉCOMMUNICATION PRENANT EN  
CHARGE UNE AGRÉGATION DE PORTEUSES

Publication  
**EP 3361778 A1 20180815 (EN)**

Application  
**EP 18162574 A 20110601**

Priority  
• CN 201010240485 A 20100727  
• EP 11811792 A 20110601  
• CN 2011075073 W 20110601

Abstract (en)  
A method, device and system for a cell handover in a telecommunication system supporting carrier aggregation are provided in the present invention. The method for the cell handover includes the following steps: a Base Station (BS) determines that whether carrier components corresponding to one or more cells to be accessed are in the same frequency band (917), wherein the one or more cells to be accessed belong to a target BS, and are selected by a terminal which needs to perform the cell handover and is served by the BS; if yes (919), the BS encapsulates configuration information of all the cells in the one or more cells to be accessed in a handover command for initiating cell handover; otherwise (921), the BS encapsulates configuration information of one or more cells in the one or more cells to be accessed in the handover command, and sends the handover command to the target BS. The present invention also provides a device for cell handover in a telecommunication system supporting carrier aggregation, a BS including the device and a telecommunication system including the BS thereof.

IPC 8 full level  
**H04W 36/00** (2009.01); **H04L 5/00** (2006.01); **H04W 36/30** (2009.01)

CPC (source: CN EP KR RU US)  
**H04L 5/001** (2013.01 - CN EP KR US); **H04W 36/0033** (2013.01 - CN RU US); **H04W 36/00692** (2023.05 - CN EP KR RU US);  
**H04W 36/00833** (2023.05 - CN EP KR RU US); **H04W 36/0094** (2013.01 - EP KR US); **H04W 36/08** (2013.01 - CN EP KR RU US);  
**H04W 36/30** (2013.01 - KR); **H04L 5/0091** (2013.01 - CN EP US); **H04W 36/00837** (2018.08 - CN EP KR RU US)

Citation (search report)  
• [A] WO 2010082521 A1 20100722 - SHARP KK [JP], et al & EP 2384052 A1 20111102 - SHARP KK [JP]  
• [A] US 2009316659 A1 20091224 - LINDOFF BENG T [SE], et al  
• [X] ALCATEL-LUCENT ET AL: "Handover procedure in CA", 3GPP DRAFT; R2-103155 HANDOVERV2, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG2, no. Montreal, Canada; 20100510, 3 May 2010 (2010-05-03), XP050423097  
• [A] HUAWEI: "Carrier aggregation in idle mode", 3GPP DRAFT; R2-093105 CARRIER AGGREGATION IDLE MODE, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, no. San Francisco, USA; 20090428, 28 April 2009 (2009-04-28), XP050340847  
• [A] MEDIATEK INC: "Handover with Carrier Aggregation", 3GPP DRAFT; R2-101144, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG2, no. San Francisco, USA; 20100222, 16 February 2010 (2010-02-16), XP050421757

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2600653 A1 20130605; EP 2600653 A4 20170524; EP 2600653 B1 20180808**; AU 2011285426 A1 20130207; AU 2011285426 B2 20150115; BR 112013001392 A2 20160524; BR 112013001392 B1 20220111; CA 2805895 A1 20120202; CA 2805895 C 20180327; CN 102348243 A 20120208; CN 102348243 B 20160504; CN 104980264 A 20151014; CN 104980264 B 20190614; EP 3361778 A1 20180815; EP 3361778 B1 20220810; EP 4090074 A1 20221116; JP 2013534789 A 20130905; JP 2014222946 A 20141127; JP 2016195454 A 20161117; JP 2016195455 A 20161117; JP 5590235 B2 20140917; JP 6299815 B2 20180328; JP 6394653 B2 20180926; KR 101463700 B1 20141119; KR 101697838 B1 20170118; KR 20130045365 A 20130503; KR 20140119162 A 20141008; MX 2013000888 A 20130221; RU 2013108440 A 20140910; RU 2534039 C2 20141127; RU 2608747 C1 20170124; US 2013165126 A1 20130627; US 2014334445 A1 20141113; US 8831615 B2 20140909; US 9439111 B2 20160906; WO 2012013090 A1 20120202

DOCDB simple family (application)  
**EP 11811792 A 20110601**; AU 2011285426 A 20110601; BR 112013001392 A 20110601; CA 2805895 A 20110601; CN 201010240485 A 20100727; CN 2011075073 W 20110601; CN 201510347542 A 20100727; EP 18162574 A 20110601; EP 22180567 A 20110601; JP 2013518938 A 20110601; JP 2014156255 A 20140731; JP 2016141389 A 20160719; JP 2016141390 A 20160719; KR 20137004917 A 20110601; KR 20147023984 A 20110601; MX 2013000888 A 20110601; RU 2013108440 A 20110601; RU 2014137290 A 20140915; US 201113810472 A 20110601; US 201414340163 A 20140724